In the United States Patent and Trademark Office

Serial No._____

Appn. Filed: _____

Applicant: Yuriy Prokofyev

Appn. Title: UNIVERSAL MODULAR BUILDING BLOCK AND A METHOD AND STRUCTURES BASED ON THE USE OF THE AFOREMENTIONED BLOCK

Examiner/GAU:

Mailed:

At: San Francisco

Information Disclosure Statement

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Attached is a completed Form PTO-1449 and copies of the pertinent parts of the references cited thereon. Following are comments on references pursuant to Rule 98:

US Patent No. 4,223,501 issued to DeLozier in 1980 describes a module for the fabrication of a concrete monolithic wall structure having foam insulation permanently attached to the structure and forming the inner and outer wall surfaces. The concrete forms remain in place as a useful component of the wall structure. A disadvantage of the aforementioned module consists in that the sides of the module are deformed in the lateral direction under the effect of the wet cement until it can "set" and thereby become a self supporting monolithic concrete wall of an enclosure. Lateral movement of the module walls results in an unsightly and unacceptable wall surface.

US Patent No. 5,596,855 issued to Batch in 1997 provides the module of US Patent No. 4,223,501 with a special tension member imbedded within the foam plastic in a manner that secures the opposed wall structure together and thereby resists lateral movement thereof. A disadvantage of the structure of US Patent No. 5,596,855 consists in that it consumes a significant amount of material, such as cement, for the formation of a load-carrying part of the structural element or building. This is because the aforementioned load-carrying part comprises a monolithic molded body. Another is that it requires the use of spaced tension members inside the interior cavity of the form for connecting the inner and outer walls of the structure as a means for resisting lateral deformations of the walls during the concrete setting period. In other words, during setting of the concrete that forms a monolithic load-carrying structure inside the wall, the inner and outer foam plastic panels are subjected to the action of lateral forces.

Thus, none of the aforementioned references describes, as claimed in my Claims 1 to 17, a modular hollow building block utilizing an upper and lower inserts made of a heat-insulating material and having horizontal and vertical holes which form, in the construction assembled from the aforementioned blocks, a continuous lattice-like inner space suitable for pouring a molten cement which after setting forms a lattice-like load-carrying element of the structure. Furthermore, none of the references describes, as claimed in my Claims 18 to 21, a method of construction based on the use of hollow

modular blocks with inserts having intersecting horizontal and vertical holes and used as a formwork for pouring a molten cement into the aforementioned holes for the formation of a lattice-like load-carrying element of the wall, building, or other structure assembled from the
blocks. Finally, none of the references discloses a structural element, such as claimed in my Claims 2 to 26, made from the building blocks of Claims 1-17 and constructed by the method of Claims 18 to 21.

Very respectfully,
Applicant:
Encl.: PTO -1449 & References

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Feb. 9/04

PTO/SB/08a (08-03)
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet | | of |

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	Yuriy Prokofyev
Art Unit	
Examiner Name	
Attorney Docket Number	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,223,501	1980	Delozier	
		US-			
		US- 5,596,855	1997	Batch	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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